

Nozzle Volume (GPM) at Various Pressures (PSI)



GENERAL PUMP • U.S.

NOZZLE SIZE # (IN.)	ORIFICE DIAM.	40 PSI	100 PSI	250 PSI	500 PSI	600 PSI	700 PSI	800 PSI	1000 PSI	1250 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	3500 PSI	4000 PSI	5000 PSI
2.0	0.034	0.20	0.32	0.50	0.71	0.77	0.80	0.89	1.00	1.10	1.20	1.40	1.60	1.70	1.90	2.00	2.24
2.5	0.039	0.25	0.40	0.63	0.88	0.97	1.05	1.12	1.25	1.37	1.53	1.77	1.98	2.17	2.34	2.50	2.80
3.0	0.043	0.30	0.47	0.75	1.06	1.16	1.25	1.34	1.50	1.64	1.84	2.12	2.37	2.60	2.81	3.00	3.35
3.5	0.048	0.35	0.55	0.88	1.24	1.36	1.46	1.57	1.75	1.92	2.14	2.47	2.77	3.03	3.27	3.50	3.91
4.0	0.052	0.40	0.63	1.00	1.40	1.60	1.70	1.80	2.00	2.20	2.50	2.80	3.10	3.50	3.80	4.00	4.47
4.5	0.055	0.45	0.71	1.10	1.50	1.70	1.90	2.00	2.20	2.40	2.80	3.00	3.60	3.90	4.30	4.50	5.03
5.0	0.057	0.50	0.79	1.30	1.80	1.90	2.10	2.20	2.50	2.80	3.10	3.60	4.00	4.40	4.70	5.00	5.59
5.5	0.060	0.55	0.87	1.40	1.90	2.10	2.30	2.50	2.80	3.00	3.40	3.80	4.40	4.80	5.20	5.50	6.15
6.0	0.062	0.60	0.95	1.50	2.10	2.30	2.50	2.70	3.00	3.20	3.70	4.20	4.80	5.20	5.60	6.00	6.71
6.5	0.064	0.65	1.00	1.70	2.30	2.50	2.70	2.90	3.30	3.60	4.00	4.60	5.20	5.70	6.00	6.50	7.27
7.0	0.067	0.70	1.10	1.80	2.50	2.70	2.90	3.10	3.50	3.80	4.30	5.00	5.60	6.10	6.60	7.00	7.83
7.5	0.070	0.75	1.20	1.90	2.70	2.90	3.20	3.40	3.80	4.10	4.60	5.30	6.00	6.50	7.00	7.50	8.39
8.0	0.072	0.80	1.30	2.00	2.80	3.10	3.40	3.60	4.00	4.40	5.00	5.60	6.20	7.00	7.50	8.00	8.94
8.5	0.074	0.85	1.30	2.20	3.00	3.30	3.60	3.80	4.30	4.60	5.30	6.00	6.70	7.40	8.00	8.50	9.50
9.0	0.076	0.90	1.40	2.30	3.20	3.50	3.80	4.00	4.50	5.00	5.50	6.40	7.10	7.80	8.50	9.00	10.06
9.5	0.078	0.95	1.50	2.40	3.40	3.70	4.00	4.30	4.80	5.20	5.80	6.80	7.60	8.30	9.00	9.50	10.62
10.0	0.080	1.00	1.60	2.50	3.50	3.90	4.20	4.50	5.00	5.40	6.10	7.00	8.00	8.70	9.40	10.00	11.18
12.0	0.087	1.20	1.90	3.00	4.20	4.60	5.00	5.40	6.00	6.40	7.30	8.40	9.50	10.40	11.20	12.00	13.42
15.0	0.094	1.50	2.40	3.80	5.30	5.80	6.40	6.80	7.50	8.20	9.20	10.60	12.00	12.90	14.00	15.00	16.77
20.0	0.109	2.00	3.20	5.00	7.10	7.80	8.40	9.00	10.00	10.80	12.20	14.20	16.00	17.40	18.80	20.00	22.36
30.0	0.141	3.00	4.70	7.50	10.60	11.60	12.80	13.60	15.00	16.40	18.40	21.20	24.00	26.00	28.00	30.00	33.54
40.0	0.156	4.00	6.30	10.00	14.20	15.60	16.80	18.00	20.00	21.60	24.40	28.40	32.00	34.80	37.60	40.00	44.72

* A commonly used standard for nozzle size is the "nozzle number" which is equivalent to the nozzle capacity in GPM at 4000 PSI. Spray angle does not affect nozzle volume.